Edit an existing query or compose a new query in the Search Query Display.

Select a search number (#) to:

- Add a query to the Search Query Display
- Combine search queries using AND, OR, or NOT
- Delete a search
- Run a search

Tue, 24 Apr 2007, 4:50:22 PM EST

Search Query Display

[redacted]

Recent Search Queries

#1	(((statistical <and> filter <and> shape <and> (sample <or> sampling)))<in>metadata)
#2	(((dither <and> shape <and> filter <and> sample <and> image)) <in>metadata)
#3	(((probability <and> density <and> function <and> sample <and> image))<in>metadata)
#4	(((probability <and> density <and> function <and> sample <and> image <and> shape <and> dither))<in>metadata)

[redacted]

indexed by Inspec

© Copyright 2006 IEEE –

Searching PAJ

MENU | NEWS | HELP

Search Results : 0

Clear

Text Search

If you want to conduct a Number Search, please click on the button to the right. Number Search

Applicant,Title of invention,Abstract --- e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

dither shape AND

AND

filter waveform AND

AND

subsample subsampling subsampled OR

AND

Date of publication of application --- e.g.19980401 - 19980405

-

AND

IPC --- e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

Search | Stored data

Searching PAJ

MENU | NEWS | HELP

Search Results : 0

Clear

Text Search

If you want to conduct a Number Search, please click on the button to the right. Number Search

Applicant,Title of invention,Abstract --- e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

dither shape AND

AND

filter waveform AND

AND

sub-sample sub-sampling sub-sampled OR

AND

Date of publication of application --- e.g.19980401 - 19980405

-

AND

IPC --- e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

Search | Stored data

Nothing Found

Your search for **+"statistical filter" +dither +subsampling +image** did not return any results.

You may want to try an Advanced Search for additional options.

Please review the Quick Tips below or for more information see the Search Tips.

Quick Tips

- Enter your search terms in lower case with a space between the terms.

  ```
  sales offices
  ```

 You can also enter a full question or concept in plain language.

  ```
  Where are the sales offices?
  ```

- Capitalize proper nouns to search for specific people, places, or products.

  ```
  John Colter, Netscape Navigator
  ```

- Enclose a phrase in double quotes to search for that exact phrase.

  ```
  "museum of natural history" "museum of modern art"
  ```

- Narrow your searches by using a + if a search term must appear on a page.

  ```
  museum +art
  ```

- Exclude pages by using a - if a search term must not appear on a page.

  ```
  museum -Paris
  ```

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

```
museum +"natural history" dinosaur -Chicago
```

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Terms used **statistical filter subsampling image**

Found **1** of **199,986**

Sort results by relevance

Display results expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 1 of 1

Relevance scale

1 Automated cataloging and analysis of sky survey image databases: the SKICAT system

Usama M. Fayyad, Nicholas Weir, S. Djorgovski

December 1993 **Proceedings of the second international conference on Information and knowledge management CIKM '93**

Publisher: ACM Press

Full text available: pdf(1.31 MB) Additional Information: full citation, references, index terms

Results 1 - 1 of 1

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.

Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

Nothing Found

Your search for **+"statistical filter" +subsampling +dither** did not return any results.

You may want to try an Advanced Search for additional options.

Please review the Quick Tips below or for more information see the Search Tips.

Quick Tips

- Enter your search terms in lower case with a space between the terms.

  ```
  sales offices
  ```

 You can also enter a full question or concept in plain language.

  ```
  Where are the sales offices?
  ```

- Capitalize proper nouns to search for specific people, places, or products.

  ```
  John Colter, Netscape Navigator
  ```

- Enclose a phrase in double quotes to search for that exact phrase.

  ```
  "museum of natural history" "museum of modern art"
  ```

- Narrow your searches by using a + if a search term must appear on a page.

  ```
  museum +art
  ```

- Exclude pages by using a - if a search term must not appear on a page.

  ```
  museum -Paris
  ```

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

```
museum +"natural history" dinosaur -Chicago
```

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Nothing Found

Your search for **+"probability density function" +subsampling +dither** did not return any results.

You may want to try an Advanced Search for additional options.

Please review the Quick Tips below or for more information see the Search Tips.

Quick Tips

- Enter your search terms in lower case with a space between the terms.

  ```
  sales offices
  ```

 You can also enter a full question or concept in plain language.

  ```
  Where are the sales offices?
  ```

- Capitalize proper nouns to search for specific people, places, or products.

  ```
  John Colter, Netscape Navigator
  ```

- Enclose a phrase in double quotes to search for that exact phrase.

  ```
  "museum of natural history" "museum of modern art"
  ```

- Narrow your searches by using a + if a search term must appear on a page.

  ```
  museum +art
  ```

- Exclude pages by using a - if a search term must not appear on a page.

  ```
  museum -Paris
  ```

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

```
museum +"natural history" dinosaur -Chicago
```

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Terms used **probability density function subsampling**

Found **18** of **199,986**

Sort results by relevance

Display results expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 18 of 18

Relevance scale

1 Visual attention & eye movement control: Causal saliency effects during natural vision

Ran Carmi, Laurent Itti

March 2006 **Proceedings of the 2006 symposium on Eye tracking research & applications ETRA '06**

Publisher: ACM Press

Full text available: pdf(809.86 KB) Additional Information: full citation, abstract, references

Salient stimuli, such as color or motion contrasts, attract human attention, thus providing a fast heuristic for focusing limited neural resources on behaviorally relevant sensory inputs. Here we address the following questions: What types of saliency attract attention and how do they compare to each other during natural vision? We asked human participants to inspect scene-shuffled video clips, tracked their instantaneous eye-position, and quantified how well a battery of computational saliency ...

Keywords: attention, computational modeling, eye-movements, natural vision, saliency

2 The rendering equation

James T. Kajiya

August 1986 **ACM SIGGRAPH Computer Graphics , Proceedings of the 13th annual conference on Computer graphics and interactive techniques SIGGRAPH '86**, Volume 20 Issue 4

Publisher: ACM Press

Full text available: pdf(1.91 MB) Additional Information: full citation, abstract, references, citings, index terms

We present an integral equation which generalizes a variety of known rendering algorithms. In the course of discussing a monte carlo solution we also present a new form of variance reduction, called Hierarchical sampling and give a number of elaborations shows that it may be an efficient new technique for a wide variety of monte carlo procedures. The resulting rendering algorithm extends the range of optical phenomena which can be effectively simulated.

3 Secure data aggregation and transmission: RANBAR: RANSAC-based resilient aggregation in sensor networks

Levente Buttyán, Péter Schaffer, István Vajda

October 2006 **Proceedings of the fourth ACM workshop on Security of ad hoc and**

sensor networks SASN '06

Publisher: ACM Press

Full text available: pdf(165.96 KB) Additional Information: full citation, abstract, references, index terms

We present a novel outlier elimination technique designed for sensor networks. This technique is called RANBAR and it is based on the RANSAC (RANdom SAmple Consensus) paradigm, which is well-known in computer vision and in automated cartography. The RANSAC paradigm gives us a hint on how to instantiate a model if there are a lot of compromised data elements.However,the paradigm does not specify an algorithm and it uses a guess for the number of compromised elements, which is not known in general ...

Keywords: outlier elimination, random sample consensus, resilient aggregation, sensor networks

4 Coding image sequences for interactive retrieval

Andrew Lippman, William Butera

July 1989 **Communications of the ACM**, Volume 32 Issue 7

Publisher: ACM Press

Full text available: pdf(1.02 MB) Additional Information: full citation, abstract, references, citings, index terms

An image coding technique for digital storage of motion picture information is presented that is optimated for use in interactive systems where high quality still frames, random access, and database linkages are required.

5 Analysis methodology: output analysis II: Experimental performance evaluation of histogram approximation for simulation output analysis

E. Jack Chen, W. David Kelton

December 2004 **Proceedings of the 36th conference on Winter simulation WSC '04**

Publisher: Winter Simulation Conference

Full text available: pdf(199.64 KB) Additional Information: full citation, abstract, references

We summarize the results of an experimental performance evaluation of using an empirical histogram to approximate the steady-state distribution of the underlying stochastic process. We use a runs test to determine the required sample size for simulation output analysis and construct a histogram by computing sample quantiles at certain grid points. The algorithm dynamically increases the sample size so that histogram estimates are asymptotically unbiased. Characteristics of the steady-state distr ...

6 Visualization and interactive feature selection for unsupervised data

Jennifer G. Dy, Carla E. Brodley

August 2000 **Proceedings of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining KDD '00**

Publisher: ACM Press

Full text available: pdf(342.54 KB) Additional Information: full citation, references, citings, index terms

7 Latent semantic models for collaborative filtering

Thomas Hofmann

January 2004 **ACM Transactions on Information Systems (TOIS)**, Volume 22 Issue 1

Publisher: ACM Press

Full text available: pdf(250.03 KB) Additional Information: full citation, abstract, references, citings, index terms

Collaborative filtering aims at learning predictive models of user preferences, interests or

behavior from community data, that is, a database of available user preferences. In this article, we describe a new family of model-based algorithms designed for this task. These algorithms rely on a statistical modelling technique that introduces latent class variables in a mixture model setting to discover user communities and prototypical interest profiles. We investigate several variations to deal wi ...

8 Face recognition: A literature survey



W. Zhao, R. Chellappa, P. J. Phillips, A. Rosenfeld

December 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 4

Publisher: ACM Press

Full text available: pdf(4.28 MB) Additional Information: full citation, abstract, references, citings, index terms

As one of the most successful applications of image analysis and understanding, face recognition has recently received significant attention, especially during the past several years. At least two reasons account for this trend: the first is the wide range of commercial and law enforcement applications, and the second is the availability of feasible technologies after 30 years of research. Even though current machine recognition systems have reached a certain level of maturity, their success is ...

Keywords: Face recognition, person identification

9 Visualising the probability distribution function of uncertain data: application to stochastic modelling of ground water solute transport

Alan E. McKinnon, Emma Raymond

December 2001 **Proceedings of the 2001 Asia-Pacific symposium on Information visualisation - Volume 9 APVis '01**

Publisher: Australian Computer Society, Inc.

Full text available: pdf(1.73 MB) Additional Information: full citation, abstract, references, index terms

An overview of previous approaches to the visualisation of uncertainty is presented making the distinction between *verity visualisation,* where the uncertainty information is an integral part of information presentation and *overloading* where the information and its uncertainty are displayed separately. In either case the uncertainty information is usually represented as a standard error or confidence interval. We present some preliminary results from our attempts to visualise the pr ...

Keywords: stochastic modelling, verity visualisation, visualisation of uncertainty

10 Simulation in exponential families



Philippe Barbe, Michel Broniatowski

July 1999 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 9 Issue 3

Publisher: ACM Press

Full text available: pdf(178.38 KB) Additional Information: full citation, abstract, references, index terms

An acceptance-rejection algorithm for the simulation of random variables in statistical exponential families is described. This algorithm does not require any prior knowledge of the family, except sufficient stati stics and the value of the parameter. It allows simulation from many members of the exponential family. We present some bounds on computing time, as well as the main properties of the empirical measures of samples simulated by our methods (functional Glivenko-Cantelli and central ...

Keywords: Bayesian statistics, M-estimators, computing time, empirical measure, exponential families, posterior distributions, simulation

11 Research in progress: career paths in information systems: a longitudinal analysis

Jennifer L. Wagner, Harry C. Benham

May 1992 **Proceedings of the 1992 ACM SIGCPR conference on Computer personnel research SIGCPR '92**

Publisher: ACM Press

Full text available: pdf(137.77 KB) Additional Information: full citation, index terms

12 Filtering and retrieval models: Collaborative filtering via gaussian probabilistic latent semantic analysis

Thomas Hofmann

July 2003 **Proceedings of the 26th annual international ACM SIGIR conference on Research and development in informaion retrieval SIGIR '03**

Publisher: ACM Press

Full text available: pdf(207.99 KB) Additional Information: full citation, abstract, references, citings, index terms

Collaborative filtering aims at learning predictive models of user preferences, interests or behavior from community data, i.e. a database of available user preferences. In this paper, we describe a new model-based algorithm designed for this task, which is based on a generalization of probabilistic latent semantic analysis to continuous-valued response variables. More specifically, we assume that the observed user ratings can be modeled as a mixture of user communities or interest groups, where ...

Keywords: collaborative filtering, data mining, machine learning, recommender systems

13 A modified random perturbation method for database security

Patrick Tendick, Norman Matloff

March 1994 **ACM Transactions on Database Systems (TODS)**, Volume 19 Issue 1

Publisher: ACM Press

Full text available: pdf(1.04 MB) Additional Information: full citation, abstract, references, citings, index terms, review

The random data perturbation (RDP) method of preserving the privacy of individual records in a statistical database is discussed. In particular, it is shown that if confidential attributes are allowed as query-defining variables, severe biases may result in responses to queries. It is also shown that even if query definition through confidential variables is not allowed, biases can still occur in responses to queries such as those involving proportions or counts. In either ...

Keywords: bias, correlation, noise addition, random perturbation method

14 Content session 6: multimedia exploration: Toward bridging the annotation-retrieval gap in image search by a generative modeling approach

Ritendra Datta, Weina Ge, Jia Li, James Z. Wang

October 2006 **Proceedings of the 14th annual ACM international conference on Multimedia MULTIMEDIA '06**

Publisher: ACM Press

Full text available: pdf(725.42 KB) Additional Information: full citation, abstract, references, index terms

While automatic image annotation remains an actively pursued research topic, enhancement of image search through its use has not been extensively explored. We

propose an annotation-driven image retrieval approach and argue that under a number of different scenarios, this is very effective for semantically meaningful image search. In particular, our system is demonstrated to effectively handle cases of partially tagged and completely untagged image databases, multiple keyword queries, and example ...

Keywords: automatic annotation, generative models, image search

15 The elements of nature: interactive and realistic techniques

Oliver Deusen, David S. Ebert, Ron Fedkiw, F. Kenton Musgrave, Przemyslaw Prusinkiewicz, Doug Roble, Jos Stam, Jerry Tessendorf

August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**

Publisher: ACM Press

Full text available: pdf(17.65 MB) Additional Information: full citation, abstract

This updated course on simulating natural phenomena will cover the latest research and production techniques for simulating most of the elements of nature. The presenters will provide movie production, interactive simulation, and research perspectives on the difficult task of photorealistic modeling, rendering, and animation of natural phenomena. The course offers a nice balance of the latest interactive graphics hardware-based simulation techniques and the latest physics-based simulation techni ...

16 Watermarking: Statistical audio watermarking algorithm based on perceptual analysis

Xiaomei Quan, Hongbin Zhang

November 2005 **Proceedings of the 5th ACM workshop on Digital rights management DRM '05**

Publisher: ACM Press

Full text available: pdf(261.76 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we describe a novel statistical audio watermarking scheme. Under the control of the masking thresholds, watermark is embedded adaptively and transparently in the perceptual significant portions in wavelet packet domain by a statistical method. Watermark detection can be done without access to the original signal. Experimental results show the proposed scheme can survive common signal manipulations and malicious attacks.

Keywords: audio watermarking, psychoacoustic model, wavelet packet decomposition

17 Image and video processing for multimedia surveillance systems: Classifying spatiotemporal object trajectories using unsupervised learning of basis function coefficients

Shehzad Khalid, Andrew Naftel

November 2005 **Proceedings of the third ACM international workshop on Video surveillance & sensor networks VSSN '05**

Publisher: ACM Press

Full text available: pdf(420.63 KB) Additional Information: full citation, abstract, references, index terms

This paper proposes a novel technique for clustering and classification of object trajectory-based video motion clips using spatiotemporal functional approximations. A Mahalanobis classifier is then used for the detection of anomalous trajectories. Motion trajectories are considered as time series and modeled using the leading Fourier coefficients obtained by a Discrete Fourier Transform. Trajectory clustering is then carried out in the Fourier coefficient feature space to discover patterns of s ...

Keywords: anomaly detection, event mining, motion classification, object trajectory

18 Research track papers: A probabilistic framework for semi-supervised clustering



Sugato Basu, Mikhail Bilenko, Raymond J. Mooney

August 2004 **Proceedings of the tenth ACM SIGKDD international conference on Knowledge discovery and data mining KDD '04**

Publisher: ACM Press

Full text available: pdf(187.51 KB) Additional Information: full citation, abstract, references, citings, index terms

Unsupervised clustering can be significantly improved using supervision in the form of pairwise constraints, i.e., pairs of instances labeled as belonging to same or different clusters. In recent years, a number of algorithms have been proposed for enhancing clustering quality by employing such supervision. Such methods use the constraints to either modify the objective function, or to learn the distance measure. We propose a probabilistic model for semi-supervised clustering based on Hidden Mar ...

Keywords: distance metric learning, hidden Markov random fields, semi-supervised clustering

Results 1 - 18 of 18

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

Terms used **probability density function subsampling image**

Found **12** of **199,986**

Sort results by relevance

Display results expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 12 of 12

Relevance scale

1 Coding image sequences for interactive retrieval

Andrew Lippman, William Butera

July 1989 **Communications of the ACM**, Volume 32 Issue 7

Publisher: ACM Press

Full text available: pdf(1.02 MB) Additional Information: full citation, abstract, references, citings, index terms

An image coding technique for digital storage of motion picture information is presented that is optimated for use in interactive systems where high quality still frames, random access, and database linkages are required.

2 Content session 6: multimedia exploration: Toward bridging the annotation-retrieval gap in image search by a generative modeling approach

Ritendra Datta, Weina Ge, Jia Li, James Z. Wang

October 2006 **Proceedings of the 14th annual ACM international conference on Multimedia MULTIMEDIA '06**

Publisher: ACM Press

Full text available: pdf(725.42 KB) Additional Information: full citation, abstract, references, index terms

While automatic image annotation remains an actively pursued research topic, enhancement of image search through its use has not been extensively explored. We propose an annotation-driven image retrieval approach and argue that under a number of different scenarios, this is very effective for semantically meaningful image search. In particular, our system is demonstrated to effectively handle cases of partially tagged and completely untagged image databases, multiple keyword queries, and example ...

Keywords: automatic annotation, generative models, image search

3 Visual attention & eye movement control: Causal saliency effects during natural vision

Ran Carmi, Laurent Itti

March 2006 **Proceedings of the 2006 symposium on Eye tracking research & applications ETRA '06**

Publisher: ACM Press

Full text available: pdf(809.86 KB) Additional Information: full citation, abstract, references

Salient stimuli, such as color or motion contrasts, attract human attention, thus providing

a fast heuristic for focusing limited neural resources on behaviorally relevant sensory inputs. Here we address the following questions: What types of saliency attract attention and how do they compare to each other during natural vision? We asked human participants to inspect scene-shuffled video clips, tracked their instantaneous eye-position, and quantified how well a battery of computational saliency ...

Keywords: attention, computational modeling, eye-movements, natural vision, saliency

4 The rendering equation

James T. Kajiya

August 1986 **ACM SIGGRAPH Computer Graphics , Proceedings of the 13th annual conference on Computer graphics and interactive techniques SIGGRAPH '86**, Volume 20 Issue 4

Publisher: ACM Press

Full text available: pdf(1.91 MB) Additional Information: full citation, abstract, references, citings, index terms

We present an integral equation which generalizes a variety of known rendering algorithms. In the course of discussing a monte carlo solution we also present a new form of variance reduction, called Hierarchical sampling and give a number of elaborations shows that it may be an efficient new technique for a wide variety of monte carlo procedures. The resulting rendering algorithm extends the range of optical phenomena which can be effectively simulated.

5 Face recognition: A literature survey

W. Zhao, R. Chellappa, P. J. Phillips, A. Rosenfeld

December 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 4

Publisher: ACM Press

Full text available: pdf(4.28 MB) Additional Information: full citation, abstract, references, citings, index terms

As one of the most successful applications of image analysis and understanding, face recognition has recently received significant attention, especially during the past several years. At least two reasons account for this trend: the first is the wide range of commercial and law enforcement applications, and the second is the availability of feasible technologies after 30 years of research. Even though current machine recognition systems have reached a certain level of maturity, their success is ...

Keywords: Face recognition, person identification

6 Image and video processing for multimedia surveillance systems: Classifying spatiotemporal object trajectories using unsupervised learning of basis function coefficients

Shehzad Khalid, Andrew Naftel

November 2005 **Proceedings of the third ACM international workshop on Video surveillance & sensor networks VSSN '05**

Publisher: ACM Press

Full text available: pdf(420.63 KB) Additional Information: full citation, abstract, references, index terms

This paper proposes a novel technique for clustering and classification of object trajectory-based video motion clips using spatiotemporal functional approximations. A Mahalanobis classifier is then used for the detection of anomalous trajectories. Motion trajectories are considered as time series and modeled using the leading Fourier coefficients obtained by a Discrete Fourier Transform. Trajectory clustering is then carried out in the Fourier coefficient feature space to discover patterns of s ...

Keywords: anomaly detection, event mining, motion classification, object trajectory

7 The elements of nature: interactive and realistic techniques

Oliver Deusen, David S. Ebert, Ron Fedkiw, F. Kenton Musgrave, Przemyslaw Prusinkiewicz, Doug Roble, Jos Stam, Jerry Tessendorf

August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**

Publisher: ACM Press

Full text available: pdf(17.65 MB) Additional Information: full citation, abstract

This updated course on simulating natural phenomena will cover the latest research and production techniques for simulating most of the elements of nature. The presenters will provide movie production, interactive simulation, and research perspectives on the difficult task of photorealistic modeling, rendering, and animation of natural phenomena. The course offers a nice balance of the latest interactive graphics hardware-based simulation techniques and the latest physics-based simulation techni ...

8 Secure data aggregation and transmission: RANBAR: RANSAC-based resilient aggregation in sensor networks

Levente Buttyán, Péter Schaffer, István Vajda

October 2006 **Proceedings of the fourth ACM workshop on Security of ad hoc and sensor networks SASN '06**

Publisher: ACM Press

Full text available: pdf(165.96 KB) Additional Information: full citation, abstract, references, index terms

We present a novel outlier elimination technique designed for sensor networks. This technique is called RANBAR and it is based on the RANSAC (RANdom SAmple Consensus) paradigm, which is well-known in computer vision and in automated cartography. The RANSAC paradigm gives us a hint on how to instantiate a model if there are a lot of compromised data elements.However,the paradigm does not specify an algorithm and it uses a guess for the number of compromised elements, which is not known in general ...

Keywords: outlier elimination, random sample consensus, resilient aggregation, sensor networks

9 Visualization and interactive feature selection for unsupervised data

Jennifer G. Dy, Carla E. Brodley

August 2000 **Proceedings of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining KDD '00**

Publisher: ACM Press

Full text available: pdf(342.54 KB) Additional Information: full citation, references, citings, index terms

10 Visualising the probability distribution function of uncertain data: application to stochastic modelling of ground water solute transport

Alan E. McKinnon, Emma Raymond

December 2001 **Proceedings of the 2001 Asia-Pacific symposium on Information visualisation - Volume 9 APVis '01**

Publisher: Australian Computer Society, Inc.

Full text available: pdf(1.73 MB) Additional Information: full citation, abstract, references, index terms

An overview of previous approaches to the visualisation of uncertainty is presented making the distinction between *verity visualisation,* where the uncertainty information is an integral part of information presentation and *overloading* where the information and its

uncertainty are displayed separately. In either case the uncertainty information is usually represented as a standard error or confidence interval. We present some preliminary results from our attempts to visualise the pr ...

Keywords: stochastic modelling, verity visualisation, visualisation of uncertainty

11 Research track papers: A probabilistic framework for semi-supervised clustering

Sugato Basu, Mikhail Bilenko, Raymond J. Mooney

August 2004 **Proceedings of the tenth ACM SIGKDD international conference on Knowledge discovery and data mining KDD '04**

Publisher: ACM Press

Full text available: pdf(187.51 KB) Additional Information: full citation, abstract, references, citings, index terms

Unsupervised clustering can be significantly improved using supervision in the form of pairwise constraints, i.e., pairs of instances labeled as belonging to same or different clusters. In recent years, a number of algorithms have been proposed for enhancing clustering quality by employing such supervision. Such methods use the constraints to either modify the objective function, or to learn the distance measure. We propose a probabilistic model for semi-supervised clustering based on Hidden Mar ...

Keywords: distance metric learning, hidden Markov random fields, semi-supervised clustering

12 Watermarking: Statistical audio watermarking algorithm based on perceptual analysis

Xiaomei Quan, Hongbin Zhang

November 2005 **Proceedings of the 5th ACM workshop on Digital rights management DRM '05**

Publisher: ACM Press

Full text available: pdf(261.76 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we describe a novel statistical audio watermarking scheme. Under the control of the masking thresholds, watermark is embedded adaptively and transparently in the perceptual significant portions in wavelet packet domain by a statistical method. Watermark detection can be done without access to the original signal. Experimental results show the proposed scheme can survive common signal manipulations and malicious attacks.

Keywords: audio watermarking, psychoacoustic model, wavelet packet decomposition

Results 1 - 12 of 12

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

Terms used **probability density function subsampling image resolution**

Found **7** of **199,986**

Sort results by relevance

Display results expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 7 of 7

Relevance scale

1 Coding image sequences for interactive retrieval

Andrew Lippman, William Butera

July 1989 **Communications of the ACM**, Volume 32 Issue 7

Publisher: ACM Press

Full text available: pdf(1.02 MB) Additional Information: full citation, abstract, references, citings, index terms

An image coding technique for digital storage of motion picture information is presented that is optimated for use in interactive systems where high quality still frames, random access, and database linkages are required.

2 The elements of nature: interactive and realistic techniques

particular, our system is demonstrated to effectively handle cases of partially tagged and completely untagged image databases, multiple keyword queries, and example ...

Keywords: automatic annotation, generative models, image search

4 Face recognition: A literature survey

W. Zhao, R. Chellappa, P. J. Phillips, A. Rosenfeld

December 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 4

Publisher: ACM Press

Full text available: pdf(4.28 MB) Additional Information: full citation, abstract, references, citings, index terms

As one of the most successful applications of image analysis and understanding, face recognition has recently received significant attention, especially during the past several years. At least two reasons account for this trend: the first is the wide range of commercial and law enforcement applications, and the second is the availability of feasible technologies after 30 years of research. Even though current machine recognition systems have reached a certain level of maturity, their success is ...

Keywords: Face recognition, person identification

5 Visual attention & eye movement control: Causal saliency effects during natural vision

Ran Carmi, Laurent Itti

March 2006 **Proceedings of the 2006 symposium on Eye tracking research & applications ETRA '06**

Publisher: ACM Press

Full text available: pdf(809.86 KB) Additional Information: full citation, abstract, references

Salient stimuli, such as color or motion contrasts, attract human attention, thus providing a fast heuristic for focusing limited neural resources on behaviorally relevant sensory inputs. Here we address the following questions: What types of saliency attract attention and how do they compare to each other during natural vision? We asked human participants to inspect scene-shuffled video clips, tracked their instantaneous eye-position, and quantified how well a battery of computational saliency ...

Keywords: attention, computational modeling, eye-movements, natural vision, saliency

6 Watermarking: Statistical audio watermarking algorithm based on perceptual analysis

Xiaomei Quan, Hongbin Zhang

November 2005 **Proceedings of the 5th ACM workshop on Digital rights management DRM '05**

Publisher: ACM Press

Full text available: pdf(261.76 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we describe a novel statistical audio watermarking scheme. Under the control of the masking thresholds, watermark is embedded adaptively and transparently in the perceptual significant portions in wavelet packet domain by a statistical method. Watermark detection can be done without access to the original signal. Experimental results show the proposed scheme can survive common signal manipulations and malicious attacks.

Keywords: audio watermarking, psychoacoustic model, wavelet packet decomposition

7 Visualization and interactive feature selection for unsupervised data

Jennifer G. Dy, Carla E. Brodley

August 2000 **Proceedings of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining KDD '00**

Publisher: ACM Press

Full text available: pdf(342.54 KB) Additional Information: full citation, references, citings, index terms

Results 1 - 7 of 7

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

RESULT LIST
0 results found in the Worldwide database for:
(statistical and filter and subsample) in the title or abstract
(Results are sorted by date of upload in database)

Data supplied from the ***esp@cenet*** database - Worldwide

RESULT LIST
0 results found in the Worldwide database for:
(dither and filter and subsample) in the title or abstract
(Results are sorted by date of upload in database)

Data supplied from the ***esp@cenet*** database - Worldwide

RESULT LIST
1 result found in the Worldwide database for:
(dither and filter and subsampling) in the title or abstract
(Results are sorted by date of upload in database)

1 PICTURE REDUCING DEVICE

Inventor: YOSHIDA TADASHI; MAEDA MITSURU; (+2) Applicant: CANON KK

EC: IPC: ***H04N1/393; G06T3/40***; **H04N1/393** (+3)

Publication info: **JP2268073** - 1990-11-01

Data supplied from the ***esp@cenet*** database - Worldwide

RESULT LIST
2 results found in the Worldwide database for:
(statistical and filter and subsampling) in the title or abstract
(Results are sorted by date of upload in database)

1 Image enhancement on JPEG compressed image data

Inventor: ESCHBACH REINER (US); KNOX KEITH T (US)

Applicant: XEROX CORP (US)

EC: G06T5/00D; G06T9/00T

IPC: ***H04N5/20; G06T5/00; G06T9/00*** (+18)

Publication info: **EP1103918** - 2001-05-30

2 PICTURE REDUCING DEVICE

Inventor: YOSHIDA TADASHI; MAEDA MITSURU; (+2)

Applicant: CANON KK

EC:

IPC: ***H04N1/393; G06T3/40***; **H04N1/393** (+3)

Publication info: **JP2268073** - 1990-11-01

Data supplied from the ***esp@cenet*** database - Worldwide

RESULT LIST
2 results found in the Worldwide database for:
(waveform and filter and subsampling) in the title or abstract
(Results are sorted by date of upload in database)

1 Coefficient storage reduction in adaptive filters in echo cancellers or decision feedback equalizers
Inventor: ARNON EPHRAIM (CA); CHOMIK MICHAEL W (CA) Applicant: NORTHERN TELECOM LTD (CA)
EC: H04B3/23F; H04L25/03B1A7 IPC: ***H04B3/23; H04L25/03***; **H04B3/23** (+2)
Publication info: **US5029167** - 1991-07-02

2 COEFFICIENT STORAGE REDUCTION IN ADAPTIVE FILTERS IN ECHO CANCELLERS OR DECISION FEEDBACK EQUALIZERS
Inventor: ARNON EPHRAIM (CA); CHOMIK MICHAEL W (CA) Applicant: NORTHERN TELECOM LTD (CA)
EC: H03H21/00B; H04B3/23 IPC: ***H03H21/00; H04B3/23***; **H03H21/00** (+3)
Publication info: **CA1298884** - 1992-04-14

Data supplied from the ***esp@cenet*** database - Worldwide

RESULT LIST
1 result found in the Worldwide database for:
(waveform and filter and subsample) in the title or abstract
(Results are sorted by date of upload in database)

1 AUTOMATIC EQUALIZER

Inventor: TOMIYAMA MIKA; IGA HIROYUKI

Applicant: TOKYO SHIBAURA ELECTRIC CO

EC:

IPC: ***H03H15/00; H03H17/00; H03H17/02*** (+24)

Publication info: **JP6245109** - 1994-09-02

Data supplied from the ***esp@cenet*** database - Worldwide

Searching PAJ

MENU | NEWS | HELP

Search Results : 0

Clear

Text Search

If you want to conduct a Number Search, please click on the button to the right. Number Search

Applicant,Title of invention,Abstract --- e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

statistical probability [OR]

AND

filter waveform [AND]

AND

subsample subsampling subsampled [OR]

AND

Date of publication of application --- e.g.19980401 - 19980405

[] - []

AND

IPC --- e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

[]

Search | Stored data

Searching PAJ

MENU | NEWS | HELP

Search Results : 0

Clear

Text Search

If you want to conduct a Number Search, please click on the button to the right. Number Search

Applicant,Title of invention,Abstract --- e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

statistical probability OR

AND

filter waveform AND

AND

sub-sample sub-sampling sub-sampled OR

AND

Date of publication of application --- e.g.19980401 - 19980405

-

AND

IPC --- e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

Search | Stored data

Searching PAJ

MENU | NEWS | HELP

Search Results : 10 | Index Indication | Clear

Text Search

If you want to conduct a Number Search, please click on the button to the right. Number Search

Applicant,Title of invention,Abstract --- e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

statistical probability OR

AND

filter waveform AND

AND

"sub sample" "sub sampling" "sub sampled" OR

AND

Date of publication of application --- e.g.19980401 - 19980405

-

AND

IPC --- e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

Search | Stored data

No.	Publication No.	Title
1.	10 - 199145(1998)	DISK DEVICE
2.	07 - 236224(1995)	METHOD AND APPARATUS FOR DETECTING ARC UTILIZING VARIATION OF CURRENT
3.	05 - 234254(1993)	THRESHOLD LEVEL DECISION CIRCUIT
4.	01 - 233836(1989)	METHOD AND DEVICE FOR ELIMINATING INTER-CODE INTERFERENCE BY DECISION FEEDBACK
5.	01 - 188036(1989)	DISCRIMINATION FEEDBACK TYPE EQUALIZING SYSTEM
6.	62 - 247633(1987)	METHOD AND DEVICE FOR ELIMINATION FO INTER-CODE INTERFERENCE BY DECISION FEEDBACK
7.	62 - 247632(1987)	ELIMINATION DEVICE FOR INTER-CODE INTERFERENCE BY DECISION FEEDBACK
8.	62 - 247630(1987)	METHOD AND DEVICE FOR ELIMINATION OF INTER-CODE INTERFERENCE BY DECISION FEEDBACK
9.	57 - 072424(1982)	DIGITAL-ANALOGUE CONVERTER
10.	56 - 062479(1981)	PHASE CONTROL DEVICE FOR FACSIMILE RECEIVER

Searching PAJ

MENU | NEWS | HELP

Search Results : 1

Index Indication | Clear

Text Search

If you want to conduct a Number Search, please click on the button to the right. Number Search

Applicant,Title of invention,Abstract --- e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.
One letter word or Stopwords are not searchable.

dither shape AND

AND

filter waveform AND

AND

"sub sample" "sub sampling" "sub sampled" OR

AND

Date of publication of application --- e.g.19980401 - 19980405

-

AND

IPC --- e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

Search | Stored data

No.	Publication No.	Title
1.	2003 - 223637	IMAGE ALIAS REMOVING DEVICE AND METHOD